

Substitute for form 1449A/PTO (modified)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT



(Use as many sheets as necessary)

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Application Number

10/739439

Filing Date

December 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Attorney Case Number

58797US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 659,926	10/16/1900	Jacobs	
	A2	US- 906,339	12/08/1908	Tone	
	A3	US- 960,712	06/07/1910	Saunders	
	A4	US- 1,037,999	09/10/1912	Saunders	
	A5	US- 1,107,011	08/11/1914	Allen	
	A6	US- 1,149,064	08/03/1915	Kalmus	
	A7	US- 1,161,620	11/23/1915	Coulter	
	A8	US- 1,192,709	07/25/1916	Tone	
	A9	US- 1,240,490	09/18/1917	Saunders et al.	
	A10	US- 1,247,337	11/20/1917	Saunders et al.	
	A11	US- 1,257,356	02/26/1918	Hutchins	
	A12	US- 1,263,708	04/23/1918	Saunders et al.	
	A13	US- 1,263,709	04/23/1918	Saunders et al.	
	A14	US- 1,263,710	04/23/1918	Saunders et al.	
	A15	US- 1,268,532	06/04/1918	Allen	
	A16	US- 1,268,533	06/04/1918	Allen	
	A17	US- 1,314,061	08/26/1919	Harrison	
	A18	US- 1,339,344	05/04/1920	Hutchins	
	A19	US- 1,402,714	01/03/1922	Brockbank	
	A20	US- 1,448,586	03/13/1923	Allen	
	A21	US- 1,910,444	05/23/1933	Nicholson	
	A22	US- 2,000,857	05/07/1935	Masin	
	A23	US- 2,424,645	07/29/1947	Baumann, Jr. et al.	
	A24	US- 2,618,567	11/18/1952	Comstock, III	
	A25	US- 2,958,593	11/01/1960	Hoover et al.	
	A26	US- 2,961,296	11/22/1960	Fenerty	
	A27	US- 3,041,156	06/26/1962	Rowse et al.	
	A28	US- 3,141,747	07/21/1964	Marshall	

\*Examiner:

Date Considered:

4/29/05

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Substitute for form 1449A/PTO (modified)		Application Number	10/739439
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	December 18, 2003
(Use as many sheets as necessary)		First Named Inventor	Rosenflanz, Anatoly Z.
Page 2 of 15		Art Unit	1755
		Examiner Name	
		Attorney Case Number	58797US002

*O I P E S C T O P*  
JUN 15 2004  
PATENT & TRADEMARK OFFICE

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Exam. Init.*	Cite No.	Document Number Doc. Number-(Kind Code if Known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
✓	A29	US- 3,174,871	03/23/1965	Geffcken et al.	
✓	A30	US- 3,181,939	05/04/1965	Marshall et al.	
✓	A31	US- 3,216,794	11/09/1965	Roschuk	
	A32	US- 3,377,660	04/16/1968	Marshall et al.	
	A33	US- 3,498,769	03/03/1970	Coes, Jr.	
	A34	US- 3,635,739	01/18/1972	Macdowell et al.	
	A35	US- 3,646,713	03/07/1972	Marshall et al.	
	A36	US- 3,726,621	04/10/1973	Cichy	
	A37	US- 3,781,172	12/25/1973	Pett et al.	
	A38	US- 3,792,553	02/19/1974	Schleifer et al.	
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	A40	US- 3,881,282	05/06/1975	Watson	
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	A42	US- 3,893,826	07/08/1975	Quinan et al.	
	A43	US- 3,916,584	11/04/1975	Howard et al.	
	A44	US- 3,940,276	02/24/1976	Wilson	
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	A46	US- 3,996,702	12/14/1976	Leahy	
	A47	US- 4,035,162	07/12/1977	Brothers et al.	
	A48	US- 4,049,397	09/20/1977	Bockstiegel et al.	
	A49	US- 4,059,417	11/22/1977	Ilmaier et al.	
	A50	US- 4,070,796	01/31/1978	Scott	
	A51	US- 4,073,096	02/14/1978	Ueltz et al.	
	A52	US- 4,111,668	09/05/1978	Walker et al.	
✓	A53	US- 4,126,429	11/21/1978	Watson	
✓	A54	US- 4,140,494	02/20/1979	Coes, Jr.	
✓	A55	US- 4,157,898	06/12/1979	Walker et al.	
✓	A56	US- 4,194,887	03/25/1980	Ueltz et al.	

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Application Number 10/739439

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First Named Inventor Rosenflanz, Anatoly Z.

Art Unit 1755

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		Doc. Number-(Kind Code if Known)			
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X	A58	US- 4,261,706	04/14/1981	Blanding et al.	
X	A59	US- 4,311,489	01/19/1982	Kressner	
X	A60	US- 4,314,827	02/09/1982	Leitheiser et al.	
X	A61	US- 4,341,533	07/27/1982	Daire et al.	
X	A62	US- 4,405,545	09/20/1983	Septier et al.	
X	A63	US- 4,415,510	11/15/1983	Richmond	
X	A64	US- 4,439,845	03/27/1984	Geohegan Jr. et al.	
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X	A69	US- 4,584,279	04/22/1986	Grabowski et al.	
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X	A81	US- 4,762,677	08/09/1988	Dolgin	
X	A82	US- 4,770,671	09/13/1988	Monroe et al.	
X	A83	US- 4,780,268	10/25/1988	Papsi et al.	
X	A84	US- 4,799,939	01/24/1989	Bloecher et al.	

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		Doc. Number-(Kind Code if Known)			
✓	A85	US- 4,800,685	01/31/1989	Haynes, Jr.	
✓	A86	US- 4,881,951	11/21/1989	Wood et al.	
✓	A87	US- 4,898,587	02/06/1990	Mera	
	A88	US- 4,898,597	02/06/1990	Hay et al.	
	A89	US- 4,960,441	10/02/1990	Pellow et al.	
	A90	US- 4,997,461	03/05/1991	Markhoff-Matheny et al.	
	A91	US- 5,007,943	04/16/1991	Kelly et al.	
	A92	US- 5,009,675	04/23/1991	Kunz et al.	
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	A94	US- 5,011,508	04/30/1991	Wald et al.	
	A95	US- 5,013,696	05/07/1991	Greskovich et al.	
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	A105	US- 5,139,978	08/18/1992	Wood	
	A106	US- 5,143,522	09/01/1992	Gibson et al.	
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✓	A110	US- 5,201,916	04/13/1993	Berg et al.	
✓	A111	US- 5,203,884	04/20/1993	Buchanan et al.	
✓	A112	US- 5,203,886	04/20/1993	Sheldon et al.	

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Date Considered:

4/25/05

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(Use as many sheets as necessary)		First Named Inventor	Rosenflanz, Anatoly Z.
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		Attorney Case Number	58797US002

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		Doc. Number-(Kind Code if Known)			
	A113	US- 5,227,104	07/13/1993	Bauer	
	A114	US- 5,259,147	11/09/1993	Falz et al.	
	A115	US- 5,273,566	12/18/1993	Balcar et al.	
	A116	US- 5,282,875	02/01/1994	Wood et al.	
	A117	US- 5,312,789	05/17/1994	Wood	
	A118	US- 5,336,280	08/09/1994	Dubots et al.	
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	A120	US- 5,366,523	11/22/1994	Rowenhorst et al.	
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	A123	US- 5,378,251	01/03/1995	Culler et al.	
	A124	US- 5,395,407	03/07/1995	Cottringer et al.	
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	A126	US- 5,417,726	05/23/1995	Stout et al.	
	A127	US- 5,427,595	06/27/1995	Pihl et al.	
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	A129	US- 5,431,704	07/11/1995	Tamamaki et al.	
	A130	US- 5,436,063	07/25/1995	Follett et al.	
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	A135	US- 5,547,479	08/20/1996	Conwell et al.	
	A136	US- 5,549,962	08/27/1996	Holmes et al.	
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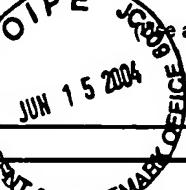
\*Examiner:

Date Considered: 4/25/05

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Substitute for form 1449A/PTO (modified)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT



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Rosenflanz, Anatoly Z.

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		Doc. Number-(Kind Code if Known)			
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↑	A143	US- 5,653,775	08/05/1997	Plovnick et al.	
↓	A144	US- 5,665,127	09/09/1997	Moltgen et al.	
↓	A145	US- 5,679,067	10/21/1997	Johnson et al.	
↓	A146	US- 5,725,162	03/10/1998	Garg et al.	
↓	A147	US- 5,738,696	04/14/1998	Wu et al.	
↓	A148	US- 5,782,940	07/21/1998	Jayan et al.	
↓	A149	US- 5,847,865	12/08/1998	Gopinath et al.	
↓	A150	US- 5,863,308	01/26/1999	Qi et al.	
↓	A151	US- 5,876,470	03/02/1999	Abrahamson	
↓	A152	US- 5,902,763	05/11/1999	Waku et al.	
↓	A153	US- 5,903,951	05/18/1999	Ionta et al.	
↓	A154	US- 5,952,256	09/14/1999	Morishita et al.	
↓	A155	US- 5,954,844	09/21/1999	Law et al.	
↓	A156	US- 5,961,674	10/05/1999	Gagliardi et al.	
↓	A157	US- 5,975,988	11/02/1999	Christianson	
↓	A158	US- 5,981,413	11/09/1999	Hale	
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↓	A160	US- 6,054,093	04/04/2000	Zheng	
↓	A161	US- 6,123,743	09/26/2000	Carman et al.	
↓	A162	US- 6,254,981	07/03/2001	Castle	
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~	A167	US- 6,482,758	11/19/2002	Weber et al.	
✓	A168	US- 6,484,539 B1	11/26/2002	Nordine et al.	

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4/25/03

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		Doc. Number-(Kind Code if Known)			
✓	A169	US- 6,490,081 B1	12/03/2002	Feillens et al.	
✓	A170	US- 6,521,004	02/18/2003	Culler et al.	
✓	A171	US- 6,582,488	06/24/2003	Rosenflanz	
	A172	US- 6,583,080	06/24/2003	Rosenflanz	
	A173	US- 6,589,305	07/08/2003	Rosenflanz	
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✓	A192	US- 03-0126804-A1	07/10/2003	Rosenflanz et al.	
✓	A193	US- 03-0145525-A1	08/07/2003	Rosenflanz	
✓	A194	US- 04-0020245-A1	02/05/2004	Rosenflanz et al.	
✓	A195	US- 04-0023078-A1	02/05/2004	Rosenflanz et al.	

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Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
✓	B1	AT	333146	10/11/1976			X
✓	B2	DD	134 638 A	03/14/1979			X
✓	B3	DE	20 34 011	07/09/1970			X
	B4	EP	0 200 487	11/05/1986			
	B5	EP	0 291 029 A1	11/17/1988			
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	B19	GB	1 121 875	07/31/1968			
	B20	GB	1 260 933 A	01/19/1972			
	B21	JP	200045128A	02/15/2000			X Machine
✓	B22	JP	200045129A	02/15/2000			X Machine
✓	B23	JP	06 040765A	2/15/1994			X Machine
✓	B24	JP	59 22 7726A	12/21/1984			X Machine

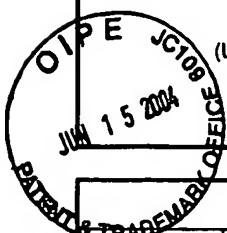
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Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
	B25	JP	2001294480	10/23/2001			X Machine
1	B26	Hei	11-189926	07/13/1999			X Machine
	B27	Hei	4-119941	04/21/1992			X
	B28	S	63-156024	06/29/1988			X
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	C1	Aguilar, E.A., "Processing and crystallization of rapidly solidified Al <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> fibres", British Ceramic Transactions, 2000, Vol. 99, No. 6, pp. 256-259.
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✓	C4	Chen, Zan-Hwey et al., "Microstructures of laser-treated Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> -CeO <sub>2</sub> composites," <u>Materials Science &amp; Engineering A (Structural Materials: Properties, Microstructure and Processing)</u> , 1995, Vol. A196, No. 1-2, pp. 253-260.
✓	C5	"China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals, August, 1997, 1 page.
✓	C6	"China's Rare Earth Export Quota Set at 45,000 Tons", Dow Jones Interactive Internet Printout on 6/20/01 for web address " <a href="http://ptg.djnr.com/ccroot/asp/publib/story.asp">http://ptg.djnr.com/ccroot/asp/publib/story.asp</a> "; Asia Pulse, 1/9/01, 1 page.
✓	C7	"China's Rare Earth Industry In the Doldrums", Dow Jones Interactive Internet Printout on 6/20/01 for web address " <a href="http://ptg.djnr.com/ccroot/asp/publib/story.asp">http://ptg.djnr.com/ccroot/asp/publib/story.asp</a> "; Asia Pulse, 1/28/99, 2 pages.
✓	C8	"China Rare Earth Information", China Rare Earth Information Center, Vol. 6, No. 4, August 2000, 3 pages.
✓	C9	Coutures et al., "PRODUCTION AND STUDIES OF ALUMINA BASED REFRACTORY GLASS," <u>Mat. Res. Bull.</u> , Vol. 10, No. 6, 1975, pp 539-546.
✓	C10	Dialog © file 319: Chem Bus NewsBase © 2001 Royal Soc Chemistry. Abstract for "China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals n 359, p. 10.
✓	C11	"ELEMENTS: China to Impose Quotas on Rare Earth Exports", Dow Jones Interactive Internet Printout on 6/20/01 for web address " <a href="http://ptg.djnr.com/ccroot/asp/publib/story.asp">http://ptg.djnr.com/ccroot/asp/publib/story.asp</a> "; Chemical Business NewsBase, 2/4/99, 1 page.
✓	C12	Figs. 311, 346, 350, 354-56, 373, and 716, <u>Phase Diagrams For Ceramists</u> , The American Ceramic Society, 1964, pp. 122, 136, 138, 140, 144, 248.
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✓	C15	Figs. 5042, 5211, 5217, 5224, 5228, 5232, 5237, 5239, 5241, 5245, 5251, 5257, 5418, and 5437, <u>Phase Diagrams For Ceramists, Vol. IV</u> , The American Ceramic Society, 1981, pp. 29, 125, 127, 129-31, 133, 135-37, 139, 141, 143, 220, 228.
✓	C16	Fig. 6464, <u>Phase Diagrams For Ceramists, Vol. VI</u> , The American Ceramic Society, 1981, p. 162.
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✓	C19	Hedrick, J., "Rare-Earth Metals", pp. 61.1-61.6, 1997.
✓	C20	Hedrick, J., "Rare-Earth Metal Prices in the USA ca. 1960 to 1994", <u>J. Alloys and Compounds</u> , 1997, pp. 471-81.

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Rosenflanz, Anatoly Z.

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	C22	Imakoa, Minoru et al., "Refractive Index and Abbe's Number of Glass of Lanthanum Borate System", <u>Journal Ceramic Assoc. Japan</u> , Vol. 70, No. 5, (1962), pp. 115
	C23	"In Asia", Dow Jones Interactive Internet Printout on 6/20/01 for web address " <a href="http://ptg.djnr.com/ccroot/asp/publib/story.asp">http://ptg.djnr.com/ccroot/asp/publib/story.asp</a> "; <u>Engineering &amp; Mining Journal</u> , 2/28/00, 4 pages.
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	C27	Kondrashov V I et al., "Opacified Glass "Decorit" Synthesis Directions", <u>Steklo i Keramika</u> 2001, No. 1, pages 8-11. Title translated by Keramika as "Aspects of Synthesis of Decorite Opacified Glass".
	C28	Krell, Andreas et al., "Advances in the Grinding Efficiency of Sintered Alumina Abrasives," <u>Journal of the American Ceramic Society</u> , 1996, Vol. 79, No. 3, pp. 763-769
	C29	Krokhin et al., "Synthesis of Y-Al Garnet", <u>Glass and Ceramics</u> , Vol. 55, Nos. 5-6, 1998, pp. 151-152.
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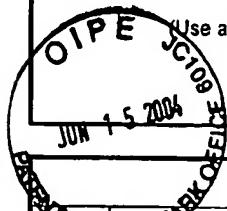
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## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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	C44	Shishido et al., "Gd <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> Phase Obtained by Crystallization of Amorphous Gd <sub>2</sub> O <sub>3</sub> - <sub>5</sub> / <sub>3</sub> Al <sub>2</sub> O <sub>3</sub> ", Journal of the American Ceramic Society, Vol. 61, No. 7-8, Jul.-Aug. 1978, pp. 373-74.
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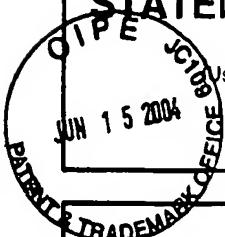
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	C70	U.S. Patent Application entitled, "Method of Making Ceramic Articles", filed August 2, 2002, Rosenflanz having U.S. Serial No. 10/211,481 (Attorney Docket No. 56938US004).
	C71	U.S. Patent Application entitled "Methods of Making Ceramic Particles," filed February 5, 2003, Rosenflanz, having a U.S. Serial No. 10/358772 (Attorney Docket No. 58257US002)
	C72	U.S. Patent Application entitled "Methods of Making Ceramics", filed February 5, 2003, Anderson et al., having a U.S. Serial No. 10/358765 (Attorney Docket No. 58258US002)
	C73	U.S. Patent Application entitled "Ceramics and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358910 (Attorney Docket No. 58325US002)
	C74	U.S. Patent Application entitled "Al <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> -MgO Ceramics, and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358855 (Attorney Docket No. 58352US002)
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	C76	U.S. Patent Application entitled "Methods of Making Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Ceramics", filed February 5, 2003, Celikkaya et al. having a U.S. Serial No. 10/358,708 (Attorney Docket No. 58353US002 )
	C77	U.S. Application entitled "Use of Glasses Containing Rare Earth Oxide, Alumina, and Zirconia And Dopant In Optical Waveguides", filed April 28, 2003, having U.S. Serial No. 10/425,039 (Attorney Docket No. 58435US002)
	C78	U.S. Application entitled " Methods of Making Ceramic Particles", filed September 5, 2003, having U.S. Serial No. 10/655729 (Attorney Docket No. 58790US002)
	C79	U.S. Application entitled "Methods of Making Ceramics Comprising Al <sub>2</sub> O <sub>3</sub> , REO, ZrO <sub>2</sub> and/or HfO <sub>2</sub> and Nb <sub>2</sub> O <sub>5</sub> and/or Ta <sub>2</sub> O <sub>5</sub> ", filed September 18, 2003, having U.S. Serial No. 10/666615 (Attorney Docket No. 58354US002)
	C80	U.S. Application entitled " Alumina-Yttria Particles and Methods of Making The Same", filed December 18, 2003, having U.S. Serial No. 10/740262 (Attorney Docket No. 58716US002)
	C81	U.S. Application entitled "Ceramics Comprising Al <sub>2</sub> O <sub>3</sub> , REO, ZrO <sub>2</sub> and/or HfO <sub>2</sub> , and Nb <sub>2</sub> O <sub>5</sub> and/or Ta <sub>2</sub> O <sub>5</sub> , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666212 (Attorney Docket No. 58807US002)
	C82	U.S. Application entitled "Ceramics Comprising Al <sub>2</sub> O <sub>3</sub> , Y <sub>2</sub> O <sub>3</sub> , ZrO <sub>2</sub> and/or HfO <sub>2</sub> , and Nb <sub>2</sub> O <sub>5</sub> and/or Ta <sub>2</sub> O <sub>5</sub> , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666,098 (Attorney Docket No. 58961US002)
	C83	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739420 (Attorney Docket No. 58794US002)

\*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modified)		Application Number	10/739439
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	December 18, 2003
(Use as many sheets as necessary)		First Named Inventor	Rosenflanz, Anatoly Z.
Page 15 of 15		Art Unit	1755
		Examiner Name	
		Attorney Case Number	58797US002



#### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
✓	C84	U.S. Application entitled "Method of Making Abrasive Particles," filed December 18, 2003, having U.S. Serial No. 10/739624 (Attorney Docket No. 58796US002)
✓	C85	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739440 (Attorney Docket No. 59437US002)
✓	C86	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/740096 (Attorney Docket No. 59438US002)
✓	C87	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/73944 (Attorney Docket No. 59439US002)
✓	C88	U.S. Application entitled "Powder Feeding Method and Apparatus", filed December 18, 2003, having U. S. Serial No. 10/739233 (Attorney Docket No. 59440US002)
✓	C89	U.S. Application entitled "Agglomerate Abrasive Grain and a Method of Making the Same", filed February 11, 2004, having U.S. Serial No. 10/776156 (Attorney Docket No. 55304US016)

\*Examiner:

Date Considered:

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	December 18, 2003
AUG 13 2004 (Use as many sheets as necessary)		First Named Inventor	Rosenflanz, Anatoly Z.
Page 1 of 2		Art Unit	1755
		Examiner Name	
		Attorney Case Number	58797US002

### U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 3,625,717	12/07/1971	Grubba et al.	
	A2	US- 4,316,964	02/23/1982	Lange	
↑	A3	US- 4,757,036	07/12/1988	Kaar et al.	
	A4	US- 5,248,318 A	09/28/1993	Tamamaki et al.	
	A5	US- 5,413,974 A	05/09/1995	Yokoyama et al.	
	A6	US- 5,449,389	09/12/1995	Yoshizumi et al.	
	A7	US- 5,516,348 A	05/14/1996	Conwell et al.	
	A8	US- 5,547,479 A	08/20/1996	Conwell et al.	
	A9	US- 5,645,619	07/08/1997	Erickson et al.	
	A10	US- 5,611,829 A	03/18/1997	Monroe et al.	
	A11	US- 5,721,188	02/24/1998	Sung et al.	
	A12	US- 5,856,254	01/05/1999	Feige et al.	
	A13	US- 6,053,956 A	04/25/2000	Wood	
↓	A14	US- 6,277,161 B1	08/21/2001	Castro et al.	
✓	A15	US- 6,287,353	09/11/2001	Celikkaya	
	A16	US- 6,749,653 B2	06/15/2004	Castro et al.	

### Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
✓	B1	DE	141 420	04/30/1980			X
✓	B2	EP	0 227 374	07/01/1987			
✓	B3	EP	0 236 507	09/16/1987			
✓	B4	EP	0 666 238 B1	08/09/1995			
✓	B5	EP	0 666 239 B1	08/09/1995			
✓	B6	FR	2 118 026	07/28/1972			X
✓	B7	GB	793,503	04/16/1958			
✓	B8	GB	1,005,338	09/22/1965			
✓	B9	GB	2 116 992	10/05/1983			

\*Examiner:

Date Considered:

4/25/05

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Substitute for form 1449A/PTO (modified)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/739439
Filing Date	December 18, 2003
First Named Inventor	Rosenflanz, Anatoly Z.
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Attorney Case Number	58797US002

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		Ctry. Code	Number-KindCode (If known)				
✓	B10	GB	2 377 438 A	01/15/2003			
✓	B11	JP	61099665	05/17/1986			Abstract
✓	B12	JP	05-085821	04/06/1993			X
✓	B13	JP	06-171974	06/21/1994			X
✓	B14	JP	62-003041	01/09/1987			X
✓	B15	JP	2003--94414	04/03/2003			X

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Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
✓	C1	Aasland and McMillan, Nature 369, 633 (1994)	
✓	C2	Aguilar et al, "Melt Extraction Processing of Structural Y <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> Fibers", J. Eur. Ceram. Soc. 20 1091-1098 (2000)	
✓	C3	Gandhi, A.S. and Jarayam, V., "Pressure Consolidation of Amorphous ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> by Plastic Deformation of Powder Particles", Acta Materialia, 50 (2002), 2137-2149	
✓	C4	Gonzalez, Eduardo J., et al., "High Pressure Compaction and Sintering of Nano-Size γ-Al <sub>2</sub> O <sub>3</sub> Powder", Materials and Manufacturing Processes Vol. 11, No. 6, 951-967, 1996	
✓	C5	Jantzen, C.M., Krebski, R.P., & Herman, H., "Ultra-Rapid Quenching of Laser-Method Binary and Unary Oxides", Mat. Res. Bull. 15, 1313-1326 (1980)	
✓	C6	Khor K.A., "Novel ZrO <sub>2</sub> -Mullite Composites Produced By Plasma Spraying", Proceedings of the 15 <sup>th</sup> International Thermal Pray Conference, 25-29 May 1998, Nice, France	
✓	C7	Ray, C.S. and Day, D.E., "Determining the Nucleation Rate Curve for Lithium Disilicate Glass by Differential Thermal Analysis", J. Am. Ceram. Soc. 73(2) 439-442 (1990)	
✓	C8	Schmucker, M, et al., "Constitution of Mullite Glasses Produced by Ultra-Rapid Quenching of Plasma-Sprayed Melts", Journal of the European Ceramic Society 15 (1995) 1201-1205	
✓	C9	Sarjeant, P.T. & Roy, R., in <i>Reactivity of Solids</i> (ed. J. W. Mitchell, R.C., DeVries, R.W., Roberts and P. Cannon) 725-33 (John Wiley & Sons, Inc., New York 1969)	
✓	C10	Takamori, T., & Roy, R., "Rapid Crystallization of SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Glasses", Journal of American Society, Vol. 56, No. 12, December 1973.	
✓	C11	Weber et al., "Synthesis and Optical Properties of Rare-Earth-Aluminum Oxide Glasses", J. Am. Ceram. Soc. 85(5) 1309-1311 (2002)	
✓	C12	Wilding, M.C., McMillan, P.F., "Polyamorphic Transitions in Yttria-Alumina Liquids", J. Non-Cryst. Solids. 293-295, 357-365 (2001)	

\*Examiner:

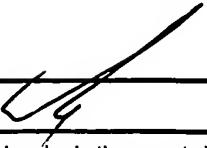
Date Considered: 4/25/05

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Substitute for form 1449A/PTO (modified)		Application Number	10/739439
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	December 18, 2003
(Use as many sheets as necessary)		First Named Inventor	Rosenflanz, Anatoly
AUG 16 2004 PATENT & TRADEMARK OFFICE JC&B		Art Unit	1755
Page 1 of 1		Examiner Name	
		Attorney Case Number	58797US002

**PROPRIETARY INFORMATION  
DO NOT SCAN**

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
<input checked="" type="checkbox"/>	C1	U.S. Application entitled "Ceramics, and Methods of Making and Using the Same", filed July 29, 2004 (Attorney Docket No. 59682US002)
<input checked="" type="checkbox"/>	C2	U.S. Application entitled "Method of Making Ceramic Articles", filed July 29, 2004 (Attorney Docket No. 59435US002)
	C3	

*Examiner:		Date Considered: <i>4/25/05</i>
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Substitute for form 1449A/PTO (modified)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/739439
Filing Date	December 18, 2003
First Named Inventor	Rosenblanz, Anatoly Z.
Art Unit	1755
Examiner Name	
Attorney Case Number	58797US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 4,111,707	09/05/1978	Komorita et al.	
	A2	US- 4,789,501	12/06/1988	Day et al.	
	A3	US- 5,747,397	05/05/1998	McPherson et al.	
	A4	US- 6,251,813 B1	06/26/2001	Sato	
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

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Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	JP	60221338	11/06/1985			Abstract
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	B3						

## OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	10/739,439
Filing Date	December 18, 2003
First Named Inventor	Rosenblanz, Anatoly Z.
Art Unit	1755
Examiner Name	
Attorney Case Number	58797US002

**U.S. Patent Documents**

Exam. In'l*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
✓	A1	US- 3,714,059	01/30/1973	Shaw et al.	
✓	A2	US- 3,717,583	02/20/1973	Shaw et al.	
↑	A3	US- 3,926,603	12/16/1975	Plesslinger et al.	
	A4	US- 4,218,253	08/19/1980	Dworak et al.	
	A5	US- 4,467,787	08/28/1984	Kampichler et al.	
	A6	US- 4,829,031	05/09/1989	Roy et al.	
	A7	US- 4,950,294	08/21/1990	Hakamataku	
	A8	US- 5,184,348	11/17/1992	Wood	
	A9	US- 5,213,591	05/25/1993	Celikkaya et al.	
	A10	US- 5,484,752	01/16/1996	Waku et al.	
	A11	US- 5,569,547	10/29/1996	Waku et al.	
↓	A12	US- 6,682,082	10/28/1997	Wei et al.	
✓	A13	US- 6,447,937	09/10/2002	Murakawa et al.	

**Foreign Patent Documents**

Exam. In'l*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		City, Code	Number-KindCode (if known)				
✓	B1	JP	50025608	03/18/1975			X
✓	B2	FR	2538370	08/26/1984			X

**OTHER DOCUMENTS**

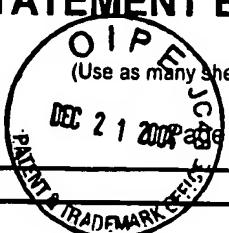
Exam. In'l*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
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\*Examiner:

Date Considered: 4/23/05

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Substitute for form 1449A/PTO (modified)	Application Number	10/739439
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Filing Date	December 18, 2003
O I P E F S C (Use as many sheets as necessary)	First Named Inventor	Rosenflanz, Anatoly.
DEC 21 2007 Page 1 of 1	Art Unit	1755
	Examiner Name	
	Attorney Case Number	58797US002



## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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DEC 21 2009 Page 1 of 1

## **U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
✓	A1	US- 4,271,011	06/02/1981	Spencer et al.	
✓	A2	US- 5,178,335	01/12/1993	Mertens	
✓	A3	US- 5,839,674	11/24/1998	Ellis	
✓	A4	US- 6,513,739 B2	02/04/2003	Fritz et al.	
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

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		Ctry. Code	Number-KindCode (if known)				
	B1						
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## **OTHER DOCUMENTS**

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~	C1	Standard: "Standard Specification for Wire Cloth and Sieves for Testing Purposes <sup>1</sup> ," ASTM International, Designation: E 11-01, (date unknown but prior to filing date of instant application), pp. 1-5.	
~	C2	Standard: "Nominal Dimensions, Permissible Variations for Wire Cloth of Standard test Sieves (U.S.A.) Standard Series," ASTM International, Designation: E-11, (Date unknown but prior to filing date of instant application), pp.3-6.	
~	C3	Standard: "Standard Specification for Industrial Woven Wire Cloth <sup>1</sup> ", ASTM International Designation: E 2016-99, (date unknown but prior to filing date of instant application), pp. 1-30	

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Substitute for form 1449A/PTO (modified)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/739439
Filing Date	December 18, 2003
First Named Inventor	Rosenthalz, Anatoly
Art Unit	1755
Examiner Name	
Attorney Case Number	58797US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number <small>Doc. Number-(Kind Code if Known)</small>	Publication Date or Issue Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
~	A1	US- 4,182,437	01/08/1980	Roberts et al.	
~	A2	US- 4,552,199	11/12/1985	Onoyama et al.	
~	A3	US- 4,705,656	11/10/1987	Onoyama et al.	
~	A4	US- 5,215,583	06/01/1993	LaCourse et al.	
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

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	C2				
	C3				

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Page 1 of 1

Application Number	10739439
Filing Date	December 18, 2003
First Named Inventor	Rosenblanz, Anatoly
Art Unit	1755
Examiner Name	
Attorney Case Number	58797US002

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✓	A1	US- 5,534,843	07/09/1996	Tsunoda et al.	
✓	A2	US- 5,978,274	11/02/1999	Inoue et al.	
✓	A3	US- 6,382,119 B1	03/26/2002	Chiba	
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

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